BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Final E- Bill

Recorded On:- 13/06/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Rate	Amount
1	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar.								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						2.06	397.65	819.16
2	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS								
		Sqm							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						6.36	397.65	2527.07
3	Dismantling plastering and removing the debris with a lead upto 200m.								
		Sqm							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						10.30	41.92	431.78
4	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						56.73	508.68	28855.89
5	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						10.01		
		A)Up to125% of quantity					1.95	2751.86	5366.00
		B)Above 125% of quantity					8.06	2751.86	22186.00
6	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						10.49		

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		A)Up to125% of quantity						**8.74**	6203.05	**54199.15**
		B)Above 125% of quantity						**1.75**	6203.05	**10852.00**
7	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2									
	Coping	Cum	1	6.75	0.45	0.15		0.46		
			2	1.15	0.45	0.15		0.16		
	Cladding Wall		1	6.60	0.45	0.15		0.45		
			2	0.60	0.45	0.15		0.08		
	Urinals platform		1	6.20	0.75	0.15		0.70		
			1	5.50	0.75	0.15		0.62		
	Gent:-Urinal,s		1	7.20	2.60	0.15		2.81		
	Passage		1	2.75	1.80	0.15		0.74		
			1	5.40	0.95	0.15		0.77		
	Counter Room		1	1.80	1.45	0.15		0.39		
	Door Edges		9	0.75	0.15	0.15		0.15		
	Lady:-Passage		1	3.95	1.25	0.15		0.74		
			1	2.80	1.60	0.15		0.70		
			1	4.80	1.65	0.15		1.11		
	Back		1	15.00	1.50	0.15		3.38		
	Sides			7.60	1.50	0.15		3.42		
								16.66	6741.03	**112321.57**
8	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas perspecifications.KBS 5.1.13									
		Cum								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							**10.46**	5206.90	**54465.48**
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete asper specifications. Specification. No. KBS 2.9,									
		Cum								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							**39.71**		
		A)Up to125% of quantity						**20.86**	227.72	**4750.81**
		B)Above 125% of quantity						**18.85**	227.72	**4292.00**
10	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.									
		Cum								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							**21.50**	70.38	**1513.14**
11	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2,									
		Sqm								

	Quantity Vide As Per Pre Measurement are prepared in E-Bill							11.10	292.29	3244.42
12	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2,									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							8.28	405.59	3358.29
13	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No.KBS 4.6.2,									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							6.50	516.61	3357.97
14	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2,									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							8.28	330.81	2739.11
15	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc , including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6,									
	Footings	Cum	1	1.65	1.65	0.55	1.50			
	Pedestal,s		2	0.60	0.60	0.80	0.58			
	Columns		2	0.45	0.30	0.70	0.19			
	Plinth Beam		1	6.50	0.30	0.45	0.88			
			2	7.35	0.30	0.45	0.36			
							3.50	7383.34	25873.99	
16	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thickness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6,									
	Columns	Cum	2	0.45	0.20	1.80	0.32			
							0.32	7647.31	2477.73	
17	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25									

	Quantity Vide As Per Pre Measurement are prepared in E-Bill						11.10	292.29	3244.42
12	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2,								
		Sqm							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						8.28	405.59	3358.29
13	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No.KBS 4.6.2,								
		Sqm							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						6.50	516.61	3357.97
14	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2,								
		Sqm							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						8.28	330.81	2739.11
15	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6,								
	Footings	Cum	1	1.65	1.65	0.55	1.50		
	Pedestal,s		2	0.60	0.60	0.80	0.58		
	Columns		2	0.45	0.30	0.70	0.19		
	Plinth Beam		1	6.50	0.30	0.45	0.88		
			2	1.35	1.90	0.45	0.36		
							3.50	7383.34	25873.99
16	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thickness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6,								
	Columns	Cum	2	0.45	0.20	1.80	0.32		
							0.32	7647.31	2477.73
17	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25								

	Beam	Cum	1	6.50	0.20	0.45	0.59		
			2	1.35	0.20	0.45	0.24		
							0.83	7026.47	5817.92
18	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3								
		Tonne,s							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						1.16	99036.47	114752.07
19	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.								
	Entrance Wall	Sqm	1	6.50		1.80	11.70		
	Cladding Wall		1	6.60		1.00	6.60		
			2	0.60		1.00	1.20		
	Steps Portion		4	1.65	1.05		6.93		
			2	1.65	0.70		2.31		
			2	1.65	0.35		1.16		
	Toilet Parapet Wall		2	12.00		0.40	9.60		
			2	7.20		0.40	5.76		
							45.26		
	(-)Columns		2	0.45		2.10	1.89		
	Lintel Beam		1	7.20		0.20	1.44		
							3.33		
							41.93	1033.22	43317.75
20	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4,								
	Toilet Block Center Wall	Sqm	1	7.20		3.00	21.60		
							21.60	918.80	19846.08
21	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications								
	External Plastering:-Entrance Wall	Sqm	2	6.50		2.70	35.10		
			2	0.20		2.70	1.08		
	Top View		1	6.50	0.25		1.63		
	Cladding Wall		2	6.60		1.00	13.20		
			4	0.60		1.00	2.40		
	Toilet Parapet Wall		4	12.00		0.40	19.20		
			4	7.20		0.40	11.52		
	Roof Alround		1	47.00		0.20	9.40		
	Sump Alround		2	3.40		0.45	3.06		
			2	2.15		0.45	1.94		
							98.52	295.69	29131.38

22	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Internal Plastering:-Toilet Block Center Wall	Sqm	2	7.20		3.00	43.20		
	Sump Alround		2	3.00		2.25	13.50		
			2	1.80		2.25	8.10		
	Cealing		1	3.40		2.15	7.31		
							72.11	231.12	**16666.06**
23	KSRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications.								
	Roof Surface	Sqm	1	11.60	7.20		83.52		
	Projections		1	14.00	1.15		16.10		
			1	14.00	1.00		14.00		
			2	9.75	1.00		19.50		
	Sump		1	3.40	2.15		7.31		
							140.43	232.25	**32614.87**
24	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost oflabour and scaffolding etc. ,complete as per specification.								
	Internal Plastering:-Toilet Block Center Wall	Sqm	2	7.20		3.00	43.20		
							43.20	88.37	**3817.58**
25	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer.								
	Internal Plastering:-Toilet Block Center Wall	Sqm	2	7.20		0.70	10.08		
	Internal Walls		2	11.60		0.70	16.24		
			2	7.20		0.70	10.08		
	Urinal,s		1	5.50		0.70	3.85		
			1	1.80		0.70	1.26		
			1	5.30		0.70	3.71		
	Counter Room		2	1.80		3.00	10.80		
			2	1.45		3.00	8.70		
			1	1.80		3.00	5.40		
							70.12		
			3	2.40		0.60	4.32		
			6	1.50		0.60	5.40		
							9.72		
							60.40	101.96	**6158.38**
26	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.								
	External Plastering:-Entrance Wall	Sqm	2	6.50		2.70	35.10		
			2	0.20		2.70	1.08		
	Top View		1	6.50	0.25		1.63		
	Cladding Wall		2	3.60		1.00	13.20		
			4	0.60		1.00	2.40		

		A)Up to125% of quantity						22.61	1288.13	29127.84
		B)Above 125% of quantity						31.74	1288.13	40885.00
29	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17									
	Gent:-Urinal,s	Sqm	1	2.60		2.40		6.24		
			1	7.20		2.40		17.28		
			1	3.25		2.40		7.80		
			1	5.50		2.40		13.20		
			1	1.80		2.40		4.32		
	Columns		4	0.30		2.40		2.88		
			2	0.10		2.40		0.48		
	Rooms		12	1.45		2.40		41.76		
			12	1.15		2.40		33.12		
			4	1.45		2.40		13.92		
			4	1.45		2.40		13.92		
	Passage		1	5.50		2.40		13.20		
			1	6.50		2.40		15.60		
	Door Edges		17	2.10	0.15			5.36		
			8	0.75	0.15			0.90		
	Lady -Rooms		6	1.50		2.40		21.60		
			6	1.15		2.40		16.56		
			6	1.45		2.40		20.88		
			6	1.15		2.40		16.56		
			2	1.45		2.40		6.96		
			2	1.50		2.40		7.20		
	Door Edges		14	2.10	0.15			4.41		
			7	0.75	0.15			0.79		
	Passage		1	3.95		2.40		9.48		
			1	5.60		2.40		13.44		
			1	1.65		2.40		3.96		
			1	1.65		2.40		3.96		
			1	1.60		2.40		3.84		
			1	4.50		2.40		10.80		
			1	3.25		2.40		7.80		
								338.21		
	D		2	1.05		2.10		4.41		
	D1		15	0.75		2.10		23.63		
		Previous Bill Quantity						214.73		
								242.77		
								95.45		
		A)Up to125% of quantity						82.86	1848.93	153206.96
		B)Above 125% of quantity						12.58	1848.93	23269.00
30	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with scalant, groves in joints including cost of curing - minimum width of 900mm.									
	Entrance	Sqm	1	6.50	1.40			9.10		

	skirting		1	6.50		0.10	0.65		
	Gent Steps:-Threads		3	1.60	0.40		1.92		
	Risers		4	1.60		0.10	0.64		
	Lady Steps:-Threads		2	1.60	0.40		1.28		
	Risers		3	1.60		0.10	0.48		
							14.07	2242.05	**31545.64**
31	Providing half nosing for 20mm thick granite slab using required machinery including cost andconveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification								
	Entrance skirting	Rmtr	1	6.50			6.50		
			2	1.40			2.80		
	Gent Steps:-Risers		3	1.60			4.80		
	Lady Steps:-Risers		2	1.60			3.20		
							17.30	203.93	**3527.99**
32	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools andequipments, all complete as per the specification.								
		Sqm							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						**141.71**		
		A)Up to125% of quantity					**90.75**	595.92	**54079.74**
		B)Above 125% of quantity					**50.96**	595.92	**30368.00**
33	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame.								
	Balance Portion	Mtr	15	5.70			85.50		
							85.50		
		A)Up to125% of quantity					**31.50**	509.81	**16059.02**
		B)Above 125% of quantity					**54.00**	509.81	**27530.00**

34	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm.Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV- TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.								
		Sqm	15	0.75		2.10	23.63		
							23.63		
		A)Up to125% of quantity					**11.81**	4305.10	**50854.00**
		B)Above 125% of quantity					**11.81**	4305.10	**50854.00**
35	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m including cost of materials, labour, complete as per specifications.								
	Counter Room	No,s	1				1.00		
							1.00	1547.57	**1547.57**
36	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineriescomplete as per specifications. Specification No. KBS 9.33								
	Counter Room	cum	2	1.35	0.10	0.12	0.03		
			2	2.10	0.10	0.12	0.05		
							0.08	99248.32	**8217.76**
37	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS9.34.								
	Counter Room	sqm	1	0.75		2.10	1.58		
							1.58	5349.65	**8425.70**
38	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications.								
	Counter Room	sqm	2	0.75		2.10	3.15		
							3.15	109.89	**346.15**

39	Providing & fixing of 3 Track - 2 Panel Sliding Windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free, gaskets having isolated drainage and reinforced with Galvanized Iron profile through-out the window Frame. The outer frame having a overall size of 108 mm width X 45 mm height with reinforcement of 1 mm thickness and sash with overall size of 39 mm x 75 mm with GI reinforcement of 2 mm and mesh sash of size 30mm.Windows shall be provided with 5mm plain float glass, standard hardware and single pointlocking system with touch lock. Wall thickness of frame and sash shall be of 2mm -2.5mm.									
	Counter Room	sqm	1	0.90		1.35	1.22			
							1.22	5913.84	7185.32	
40	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12									
	Counter Room	Kg.s	1	0.90		1.35	1.22			
					1.22	21kg	25.52	107.63	2746.18	
41	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.									
		Sqm								
	Counter Room	2.25	2	0.90		1.35	5.47			
							5.47	107.63	588.47	
42	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305									
		cum								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						42.23			
		A)Up to125% of quantity					18.21	368.20	6705.84	
		B)Above 125% of quantity					24.01	368.20	8842.00	
43	Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with scalant, making holes 25mm x 12mm grooves in joints including curing.									
	Gent	Sqm	1	3.25	0.60		1.95			
	Supporting Leg,s		3	0.60	0.90		1.62			
	Urinal,s Slab		15	0.65		1.45	14.14			
	Lady		1	3.00	0.60		1.80			
	Supporting Leg,s		3	0.60	0.90		1.62			
							21.13	3993.54	84373.52	

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44	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete.									
	Building Front	Sqm	1	10.90		3.00	32.70			
			2	2.20		0.30	1.32			
	Columns		4	1.50		3.35	20.10			
	Roof Projections		1	14.00		1.65	23.10			
			1	14.00		1.45	20.30			
			2	7.60		1.45	22.04			
			2	1.00		0.45	0.90			
			2	1.15		0.45	1.04			
	Entrance Wall		1	6.50		2.35	15.28			
	Columns		2	0.35		2.35	1.65			
			2	1.80	0.05		0.18			
			2	5.70	0.05		0.57			
	Top View		1	6.50	0.40		2.60			
			1	6.50	0.05		0.33			
			1	6.50	0.15		0.98			
			1	0.40	0.05		0.02			
							143.09			
	Deduct									
		0.50	2	1.05		2.00	2.10			
	W	0.50	1	0.90		1.35	0.61			
	V	0.50	1	1.20		0.60	0.36			
		0.50	1	1.50		0.60	0.45			
							3.52			
							139.57	4463.70	622987.45	
45	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., complete.									
	Cladding Work	Sqm	1	6.50		1.00	6.50			
			1	0.50		1.00	0.50			
			1	0.90		1.00	0.90			
							7.90	4012.80	31701.12	
46	Health Faucets									
		No.s					19.00			
							19.00	3147.00	59793.00	
47	KSRB13-6.6-1 : Providing and fixing of plasticised PVC connection pipe with brass union 15mm nominal bore 300 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS									
		Set	22				22.00			
							22.00	265.10	5832.20	

48	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6.								
	Flooring	cum	1	6.50	1.40	0.20	1.82		
	Steps Portion		2	1.65	1.20	0.20	0.79		
	Entrance:-Right Side		1	2.70	2.10	0.20	1.13		
			1	1.00	0.80	0.20	0.16		
	Left Side		1	2.00	1.80	0.20	0.72		
			1	1.20	0.80	0.20	0.11		
							4.73	6549.09	31003.39
49	Submersible Single phase 4 inch/100mm (Submersible pump)								
		Nos	1				1.00		
							1.00	15655.28	15655.28
50	Senso Art,Make;-Hindware Urinal,s								
		Each	8				8.00		
							8.00	36715.00	293720.00
51	Magro Wash Basin,Make;-Hindware Wash Basin								
		Each	5				5.00		
							5.00	9441.00	47205.00
52	Sensor,Make;-Jaquare Taps								
		Each	5				5.00		
							5.00	15735.00	78675.00
53	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification no.KBS 11								
		Each	13				13.00		
							13.00		
		A)Up to125% of quantity					6.25	5614.75	35092.19
		B)Above 125% of quantity					6.75	5614.75	37900.00
54	KSRB 11.11.1 : Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as perspecifications. Specification No. KBS 11								
	Additional,s	Unit	3				3.00		
							3.00	3567.57	10702.71

55	KSRB 11-9.2 : Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.Specification No. KBS 11.								
		Unit	5				5.00		
	Additional,s		2				2.00		
							7.00	9146.06	64022.42
56	KSRB 11.15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.								
		Unit	4				4.00		
	Additional,s		4				4.00		
							8.00		
		A)Up to125% of quantity					5.00	1287.00	6435.00
		B)Above 125% of quantity					3.00	1287.00	3861.00
57	KSRB 11.17.1: Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as perspecifications.								
		Unit	2				2.00		
	Additional,s		6				6.00		
							8.00		
		A)Up to125% of quantity					5.00	837.23	4186.15
		B)Above 125% of quantity					3.00	837.23	2512.00
58	Providing and fixing 7.5 cms to 15.00cms dia NP grating 100 mm dia.								
	Additional,s	Each	13				13.00		
							13.00	169.94	2209.22
59	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 3000 Litre capacity) as per IS 12701 1996. Specification No.KBS 13.22								
	Additional,s	Each	2				2.00		
							2.00	23206.73	46413.46
60	KSRB-13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS13.2.2/ 13.3								
	Additional,s	Each	20				20.00		
							20.00	196.00	3920.00
61	KSRB-13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3								
	Additional,s	Each	15				15.00		

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							15.00	159.74	2396.10
62	KSRB-13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.6/ 13.3								
		Each	2				2.00		
							2.00	380.66	761.32
63	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good thewalls etc.,)								
	20mm nominal OD pipes	Mtr	1	18.00			18.00		
							18.00	266.24	4792.32
64	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good thewalls etc.,)								
	25mm nominal OD pipes	Mtr	1	25.00			25.00		
							25.00	331.95	8298.75
65	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.								
	Short point upto 3m	Point	12				12.00		
							12.00	209.80	2517.60
66	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.								
	Medium point above 3m - 6m	Point	15				15.00		
							15.00	288.48	4327.20
67	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia mm thick confirming to IS2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary								
	25mm dia, 2mm thick	Rmtr	1	30.00			30.00		
							30.00	55.60	1668.00

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68	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduitwhere ever necessary.								
	19/20mm dia, 2mm thick	Rmtr	1	35.00			35.00		
							35.00	53.50	1872.50
69	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduitwhere ever necessary.								
	25mm dia, 2mm thick	Rmtr	1	25.00			25.00		
							25.00	56.65	1416.25
70	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall								
	1 - 3 Way	Each	5				5.00		
							5.00	99.66	498.30
71	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall								
	4 - 5 Way	Each	5				5.00		
							5.00	110.15	550.75
72	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .								
	6AMP 3/5 and Switch	No	3				3.00		
							3.00	138.47	415.41
73	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293								
		Each	4				4.00		
							4.00	157.35	629.40
74	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854,16Amps Combined switch and socket with indication								
		No	6				6.00		
							6.00	203.51	1221.06
75	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments								
	1.5sqmm	Rmtr	1	85.00			85.00		
							85.00	21.03	1787.55
76	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments								
	2.5sqmm	Rmtr	1	25.00			25.00		
							25.00	33.57	839.25

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77	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting								
		Nos	30				30.00		
							30.00	314.70	**9441.00**
78	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.								
		Each	25				25.00		
							25.00	1258.80	**31470.00**
79	Supplying, fixing and wiring electronic Trivector Meter(ETV) 5 to 20Amps single phase Class-1 Accuracy with Temper Proof Energy Meter.								
		Each	2				2.00		
							2.00	1206.35	**2412.70**
								Sub Total RS	**2805091.72**
								Add 12% of GST Charges RS	336611.01
								Grand Total RS	**3141702.73**

CERTIFICATE

1 Certified that the above work done is satisfactory completed to work.

2 Certified that the there is no debries have been cleared to site

Agency Signature

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division,
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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri Lokanatha Reddy N

Pre-Measurements Taken On:- 17/12/2022

S.N	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
1	KSRRB M200-14 2 Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B In cement mortar							
	Longer Wall	Cum	1	3.10	0.20	2.00	1.24	
	Shorter Wall		1	2.05	0.20	2.00	0.82	
							2.06	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 17/03/2022

S.N	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
2	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS							
	Flooring	Sqm	1	3.10	2.05		6.36	
							6.36	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 17/03/2022

S.N	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
3	Dismantling plastering and removing the debris with a lead upto 200m.							
	Plastering	Sqm	1	3.10		2.00	6.20	
			1	2.05		2.00	4.10	
							10.30	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 19/07/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
4	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5							
	Toilet Entrance	Cum	1	15.00	2.40	0.35	12.60	
	Back		1	15.00	1.80	0.35	9.45	
	Sides		2	7.60	1.80	0.35	9.58	
	Footings		2	1.80	1.80	1.80	11.66	
	Foundation		1	7.20	1.00	0.90	6.48	
			2	1.15	1.00	0.90	2.07	
	Steps Portion		2	1.65	1.05	0.60	2.08	
	Cladding Wall		1	10.60	0.60	0.60	2.38	
			2	0.60	0.60	0.60	0.43	
							56.73	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 21/03/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
6	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2							
	Footings	Cum	2	1.80	1.80	0.15	0.97	
	Foundation		1	7.20	1.00	0.15	1.08	
			2	1.15	1.00	0.15	0.35	
	Steps Portion		2	1.65	1.20	0.12	0.48	
	Cladding Wall		1	6.60	0.60	0.15	0.59	
			2	0.60	0.60	0.15	0.11	
	Entrance:-Right Side		1	2.60	2.10	0.12	0.66	
			1	1.00	0.80	0.12	0.10	
	Left Side		1	2.80	1.25	0.12	0.42	
			1	1.00	0.45	0.12	0.07	
	Flooring		1	5.65	1.35	0.15	1.14	
	Back		1	15.00	1.50	0.10	2.25	
	Sides		2	7.60	1.50	0.10	2.28	
							10.49	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 21/03/2022

S.N	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
8	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas perspecifications.KBS 5.1.13							
	Foundations	Cum	1	9.90	0.60	1.35	8.02	
	Steps Portion		2	1.65	1.05	0.35	1.21	
	Cladding Wall		1	6.60	0.45	0.35	1.04	
			2	0.60	0.45	0.35	0.19	
							10.46	

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 02/03/2022

S.N	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete asper specifications. Specification. No. KBS 2.9,							
		Cum		Qty Vide Item No-4			56.73	
				70% of Quantity			39.71	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 02/06/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
10	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.							
		Cum		Qty Vide Item No-4			56.73	
				30% of Quantity			17.02	
	Dismantling Debries:-Longer Wall		1	3.10	0.20	2.00	1.24	
	Shorter Wall		1	2.05	0.20	2.00	0.82	
	Flooring		1	3.10	3.05	0.30	1.91	
	Plastering		1	3.10	0.05	2.00	0.31	
			1	2.05	0.05	2.00	0.21	
							21.50	

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 26/03/2022

S.N	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
11	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2,							
	Footing,s	Sqm	2	6.60		0.55	7.26	
	Pedestal.s		2	2.40		0.80	3.84	
							11.10	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 15/04/2022

S.N	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
12	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2,							
	Plinth Beam	Sqm	2	6.50		0.45	5.85	
			4	1.35		0.45	2.43	
							8.28	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 25/04/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
13	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No.KBS 4.6.2,							
	Columns	Sqm	2	1.30		0.70	1.82	
			2	1.30		1.80	4.68	
							6.50	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 28/04/2022

SN	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
14	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2,							
	Beam	Sqm	2	6.50		0.45	5.85	
			4	1.35		0.45	2.43	
							8.28	

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BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 28/04/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
18	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4 6.3							
	Ground floor:-	Tonnes						
	Footing,s:-10 mm Dia (0.20c/c)							
	Footings:-Top & Bottom Rods	36	2	2.40	172.80			
					172.80	0.62	107.14	
	Pedestal,s							
	Main Vertical Rods 20mm Dia	8	2	2.40	38.40			
					38.40	2.47	94.85	
	Main Vertical Rods 16mm Dia	8	2	2.40	38.40			
					38.40	1.58	60.67	
	Stirrupps 8mm dia (0.20c/c)	9	2	2.60	46.80			
					46.80	0.39	18.25	
	Plinth Beam							
	Main Rods 20mm Dia(.10 c/c)	6	1	7.35	44.10			
		6	2	2.40	28.80			
					72.90	2.47	180.06	
	Stirrupps 8mm dia (0.20 c/c)	37	1	1.50	55.50			
		13	2	1.50	39.00			
					94.50	0.39	36.86	
	Columns							
	Main Vertical Rods 20mm Dia			5.40	86.40			
					86.40	2.47	213.41	
	Stirrupps 8mm dia (0.20 c/c)	21	2	1.30	54.60			
					54.60	0.39	21.29	
	Tie Beam							
	Main Rods 20mm Dia(.10 c/c)	6	1	7.35	44.10			
					44.10	2.47	108.93	
	Stirrupps 8mm dia (0.20 c/c)	37	1	1.35	49.95			
					49.95	0.39	19.48	
	Main Rods 12mm Dia Both Sides, 0.15c/c) Flooring	10	1	6.45	64.50			
		44	1	1.35	59.40			
	Steps Portion	9	2	1.60	28.80			
		12	2	1.15	27.60			
	Entrance:-Right Side	19	1	2.65	50.35			
		15	1	2.05	30.75			
		7	1	0.95	6.65			
		6	1	0.75	4.50			
	Left Side	14	1	1.95	27.30			
		13	1	1.75	22.75			

	9	1	1.15	10.35			
	4	1	0.40	1.60			
				334.55	0.89	297.75	
						1158.69	
						1.16	

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 10/05/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
27	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4.							
	Flooring	Sqm	1	6.60	1.35		8.91	
	Steps Portion		2	1.65	1.05		3.47	
	Gent:-Urinal,s		1	7.20	2.60		18.72	
	Passage		1	2.75	1.80		4.95	
			1	5.40	0.95		5.13	
	Counter Room		1	1.80	1.45		2.61	
	Door Edges		2	0.75	0.15		1.01	
	Lady:-Passage		1	1.95	2.525		4.94	
			1	4.60	1.00		4.64	
			1	4.60	1.65		7.43	
	Door Edges		2	0.75	0.15		1.01	
	Sump Inside		1	3.00	1.80		5.40	
							68.21	

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YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 15/05/2022

SN	Description of item's	Unit	No	Measurements			Qty	Remarks
				L	B	D		
32	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools andequipments, all complete as per the specification.							
	Roof Surface	Sqm	1	14.00	9.60		134.40	
	Sump	Sqm	1	3.40	2.15		7.31	
							141.71	

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BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Additional Works to Public Toilet at NES Circle in Yelahanka Upanagara Ward No-04.

Agency:-Sri.Lokanatha Reddy N

Pre-Measurements Taken On:- 18/05/2022

SN	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
42	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305							
	Entrance Plinth Area	cum	1	5.60	1.20	0.45	3.02	
	Cladding Platform		1	6.10	0.45	0.45	1.24	
	Toilet Entrance		1	15.00	2.40	0.35	12.60	
	Back		1	15.00	2.40	0.35	12.60	
	Sides		2	7.00	2.60	0.35	12.77	
							42.23	

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